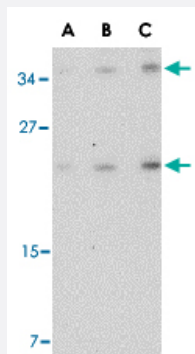


DARC polyclonal antibody

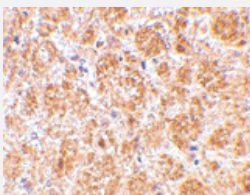
Catalog # PAB13254 Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot analysis of DARC in mouse brain tissue lysate with DARC polyclonal antibody (Cat # PAB13254) at (A) 0.5, (B) 1 and (C) 2 ug/mL .



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry of DARC in mouse brain tissue with DARC polyclonal antibody (Cat # PAB13254) at 2.5 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of DARC.
Immunogen	A synthetic peptide corresponding to C-terminus 16 amino acids of human DARC.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Recommend Usage	Western Blot (1-2 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western blot analysis of DARC in mouse brain tissue lysate with DARC polyclonal antibody (Cat # PAB13254) at (A) 0.5, (B) 1 and (C) 2 ug/mL .

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry of DARC in mouse brain tissue with DARC polyclonal antibody (Cat # PAB13254) at 2.5 ug/mL .

Gene Info — DARC

Entrez GeneID	2532
Protein Accession#	Q16570
Gene Name	DARC
Gene Alias	CCBP1, CD234, Dfy, FY, GPD, GpFy, WBCQ1
Gene Description	Duffy blood group, chemokine receptor
Omim ID	110700 611162
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a glycosylated membrane protein and a non-specific receptor for several chemokines. The encoded protein is the receptor for the human malarial parasites <i>Plasmodium vivax</i> and <i>Plasmodium knowlesi</i> . Polymorphisms in this gene are the basis of the Duffy blood group system. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	Duffy antigen/chemokine receptor Duffy blood group antigen Fy glycoprotein OTTHUMP00000035293 OTTHUMP00000060081 glycoprotein D

Publication Reference

- [Chemokine \(C-C motif\) ligand 2 and coronary artery disease: Tissue expression of functional and atypical receptors.](#)

Anna Hernández-Aguilera, Montserrat Fibla, Noemí Cabré, Fedra Luciano-Mateo, Jordi Camps, Salvador Fernández-Arroyo, Vicente Martín-Paredero, Javier A Menendez, Juan J Sirvent, Jorge Joven.

Cytokine 2020 Feb; 126:154923.

Application: IHC-P, Human, Human breast carcinoma, Human coronary arteries

- [The human Duffy antigen binds selected inflammatory but not homeostatic chemokines.](#)

Gardner L, Patterson AM, Ashton BA, Stone MA, Middleton J.

Biochemical and Biophysical Research Communications 2004 Aug; 321(2):306.

Application: Blocking, Human, Human erythrocytes

- [Cloning of glycoprotein D cDNA, which encodes the major subunit of the Duffy blood group system and the receptor for the Plasmodium vivax malaria parasite.](#)

Chaudhuri A, Polyakova J, Zbrzezna V, Williams K, Gulati S, Pogo AO.

PNAS 1993 Nov; 90(22):10793.

- [A member of the tetra spans transmembrane protein superfamily is recognized by a monoclonal antibody raised against an HLA class I-deficient, lymphokine-activated killer-susceptible, B lymphocyte line. Cloning and preliminary functional studies.](#)

Gil ML, Vita N, Lebel-Binay S, Miloux B, Chalon P, Kaghad M, Marchiol-Fournigault C, Conjeaud H, Caput D, Ferrara P, et al.

The Journal of Immunology 1992 May; 148(9):2826.

Disease

- [Acute Disease](#)
- [Anemia](#)
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- [Blood Group Incompatibility](#)
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- [Ductus Arteriosus](#)
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